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C-A OPERATIONS PROCEDURES MANUAL

3.14 Operation of the THORN Fire Alarm Computer at Console MCR_2

Text Pages 2 through 4

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: _____ [Signature On File](#) _____
Collider-Accelerator Department Chairman Date

P. Sampson

3.14 Operation of the THORN Fire Alarm Computer at Console MCR_2

1. Purpose

To provide instructions to the Main Control Room (MCR) Operators in the use of the Fire Alarm Display located at MCR_2.

2. Responsibilities

2.1 MCR Operators are responsible for the execution of this procedure.

3. Prerequisites

3.1 Changes of state reported to the System 1000 by remote panels will cause a steady or pulsing, audible alarm depending on the type of alarm occurring.

4. Precautions

None.

5. Procedure

5.1 Log in to the Fire Alarm computer:

5.1.1 Enter the "4" when prompted for a password in the top upper left of the display terminal.

5.1.2 Depress the ENTER key on the keypad to complete login.

5.2 When an audible alarm sounds:

Note 1:

A steady alarm indicates an alarm state or computer failure.
An intermittent alarm indicates reset.

Note 2:

Section 4 of the colorgraphics screen will display the quantity of the alarms present, the alarm type present, the building number where the alarm has occurred, and the area number of that building.

Note 3:

The colorgraphics screen accommodates a maximum of 36 alarm statements simultaneously. If more than 36 alarms exist at one time, the system will create a second page of hidden alarms. The second page of alarms is accessed by pressing the [#] key and then the [ENTER] key on the keypad. If there are more than 36 alarms then the difference between the number of alarms and 36 will be displayed next to HDN. (See Figure 1 item TM)

Note 4:

The Fire/Rescue Group monitors the Operations and Communication link to the remote display in the MCR. Coordinate any power shutdown or work on the system with Fire/Rescue.

5.2.1 Identify the type and location of the alarm by examining section 4 of the display terminal. See Figure (1) for description of display terminal fields.

5.2.2 Acknowledge the alarm by depressing the ACK button on the keypad.

5.2.3 If trouble or a computer failure is indicated, call Fire Rescue at Ext. 2350 and report observations.

5.3 View details of alarm.

5.3.1 Depress the AREA button on the keypad.

5.3.2 Enter the area number from section 4 of the display screen.

5.3.3 Depress the ENTER button.

5.4 When instructed by O.C., contact the Fire Rescue Group using Ext. 2222 to determine the validity of the alarm.

5.5 Refer to [C-A-OPM 3.0 "Local Emergency Plan For C-A Department"](#) for further instructions regarding emergency response.

6. Documentation

6.1 Record the event in the O.C. log book as soon as it is practical to do so.

7. References

7.1 [C-A-OPM 3.0, "Local Emergency Plan for the C-A Department"](#).

8. Attachments

8.1 Figure 1 - Colorgraphic Screen Monitor Format

Colorgraphic Monitor

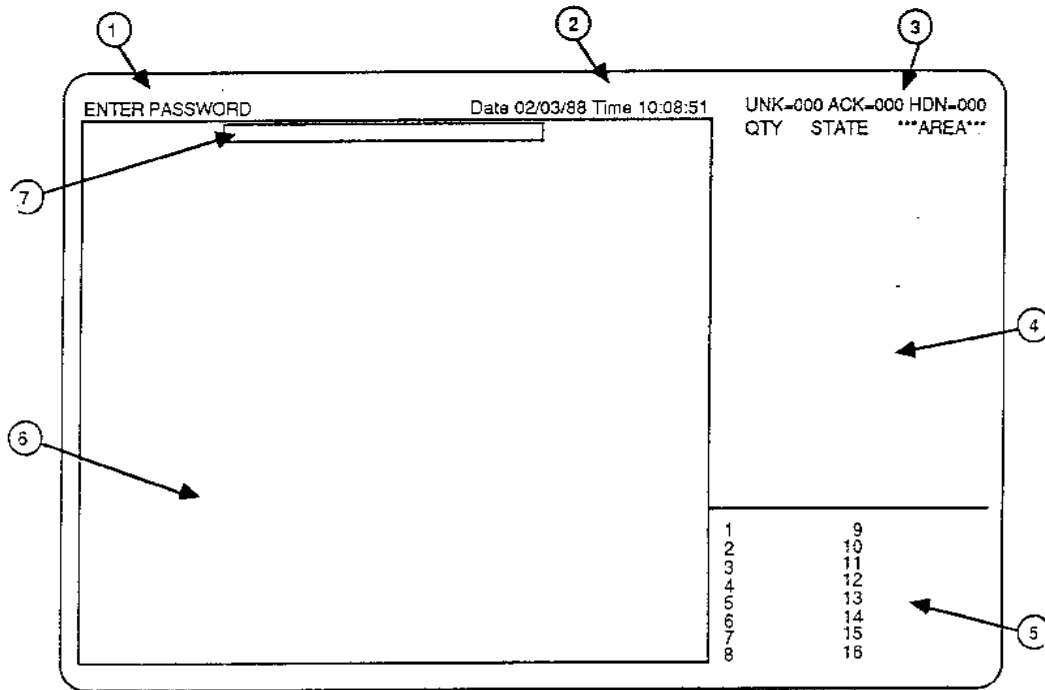


Figure 1 - Colorgraphic Screen Monitor Format

1. **Input Section:** If ENTER PASSWORD appears in this area, Enter Password to continue. This section will also “echo” the operators actions. If you are in the Area Display Field, this section will read AREA.
2. **Date and Time Field.**
3. **Alarm Count:** Tells how many Acknowledged and Unacknowledged alarms exists.
4. **Alarm List:** Shows alarm type, building number, and area number.
5. **Menu Selections:** 16 optional menu items used to make information requests or to send commands to the remote panels.
6. **Picture Display Section:** Overall facility site plan, area designations, detailed zone plans, and legend page explaining symbols and supporting diagrams. These pictures may contain active alarm symbols for points being monitored.
7. **Message Display Section:** Displays Alarm Messages. Message will give the building number, briefly describe and give the building address.